	<del></del>			
Notice of Allowability	Application N . 10/016,951		Applicant(s)	
			CHOI, SOO-CHANG	
	Examiner		Art Unit	
	Eric J Spears	;	2878	<u></u>
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) or other appro I <b>GHTS</b> . This a	<ul><li>S) CLOSED in this apprinte communication pplication is subject to</li></ul>	olication. If not include will be mailed in due	ed course. <b>THIS</b>
1. This communication is responsive to <u>application filed</u> .				
2. The allowed claim(s) is/are <u>1-7</u> .				
3. The drawings filed on are accepted by the Examiner.				
<ul> <li>4.   Acknowledgment is made of a claim for foreign priority und</li> <li>a)   All b)   Some* c)   None of the:</li> </ul>	ier 35 U.Ş.C. §	119(a)-(d) or (f).		
<ol> <li>Certified copies of the priority documents have been received.</li> </ol>				
2. Certified copies of the priority documents have been received in Application No				
<ol> <li>Copies of the certified copies of the priority does</li> <li>International Bureau (PCT Rule 17.2(a)).</li> </ol>	cuments have	been received in this i	national stage applica	tion from the
* Certified copies not received:				
5. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).				
(a) 🔲 The translation of the foreign language provisional application has been received.				
6. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of 7.   A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which gives reas	this application	attached EXAMINER	NTH PERIOD IS NOT S'S AMENDMENT or N	EXTENDABLE.
<ul> <li>8. ☐ CORRECTED DRAWINGS must be submitted.</li> <li>(a) ☐ including changes required by the Notice of Draftspers</li> <li>1) ☐ hereto or 2) ☐ to Paper No</li> </ul>	son's Patent D	rawing Review ( PTO	-948) attached	
(b) ☐ including changes required by the proposed drawing correction filed, which has been approved by the Examiner.				
(c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No				
Identifying indicia such as the application number (see 37 CFR 1. each sheet.	.84(c)) should b	e written on the drawin	ngs in the front (not the	back) of
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FOR T</li> </ol>	sit of BIOLOG HE DEPOSIT	SICAL MATERIAL n OF BIOLOGICAL MA	nust be submitted. N TERIAL.	lote the
Attachment(s)				
<ul> <li>1⊠ Notice of References Cited (PTO-892)</li> <li>3□ Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>5⊠ Information Disclosure Statements (PTO-1449), Paper No</li> <li>7□ Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ul>	- <del></del> ·	4☐ Interview Summa 6☐ Examiner's Amer	al Patent Application (I ary (PTO-413), Paper ndment/Comment ement of Reasons for A	No
			Que T. Primary Ex	

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## **REASONS FOR ALLOWANCE**

Claims 1-7 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding Claim 1, the prior art of record fails to teach or reasonably suggest a CMOS imager comprising, in addition to the other related features of the claim, a chopper comparator and a capacitor as recited in Claim 1, lines 7-14.

Regarding Claim 7, the prior art of record fails to teach or reasonably suggest a method for removing an offset from a CMOS imager comprising, in addition to the other related features of the claim, providing a chopper comparator as recited in Claim 7, lines 6-7.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kim et al. (6,423,957) teaches a CMOS image sensor.

Kwon (6,346,969) teaches a CMOS image sensor.

Yiannoulos (5,982,318) teaches a CMOS image sensor.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric Spears whose telephone number is (703) 306-0033. The examiner can normally be reached on Monday-Friday from 10:00am to 6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dave Porta can be reached on (703) 308-4852. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7724.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

EJS 10/15/03

> Que T. Le Primary Examiner

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